

BEST AVAILABLE COPY

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

1/9

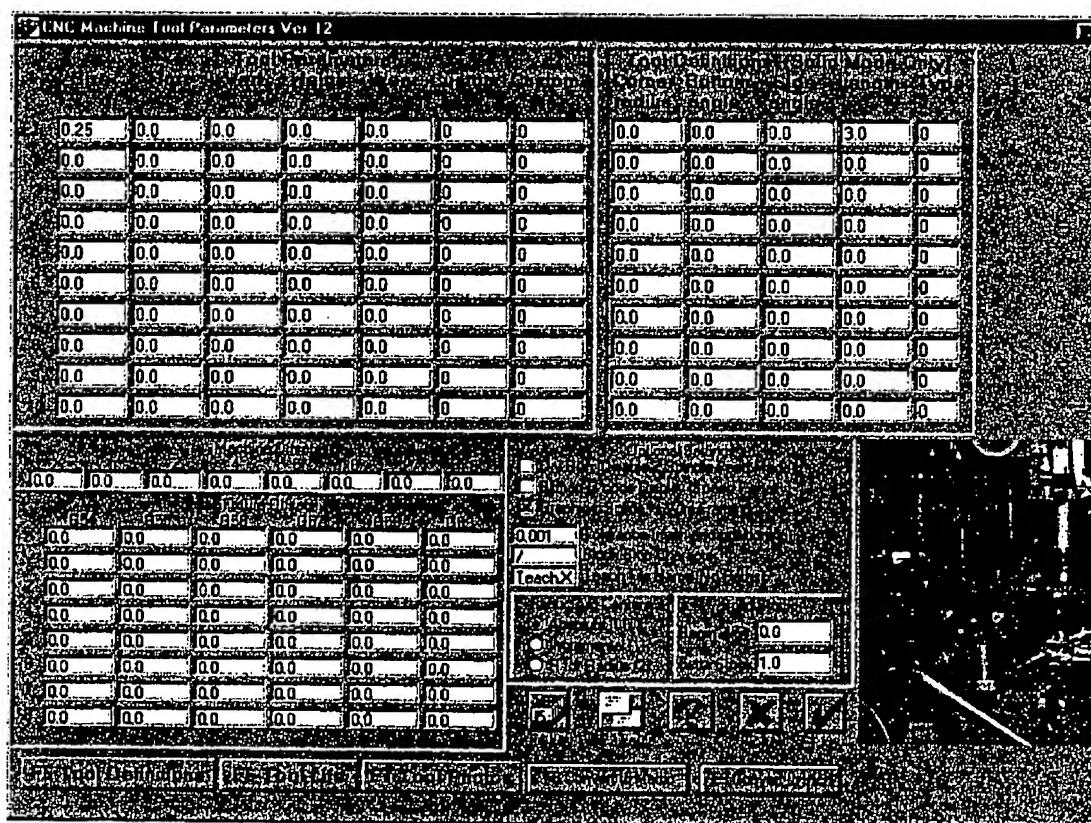


FIG 1.

Invention Title: Multi-Axes Tool Compensation ~ 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

2/9

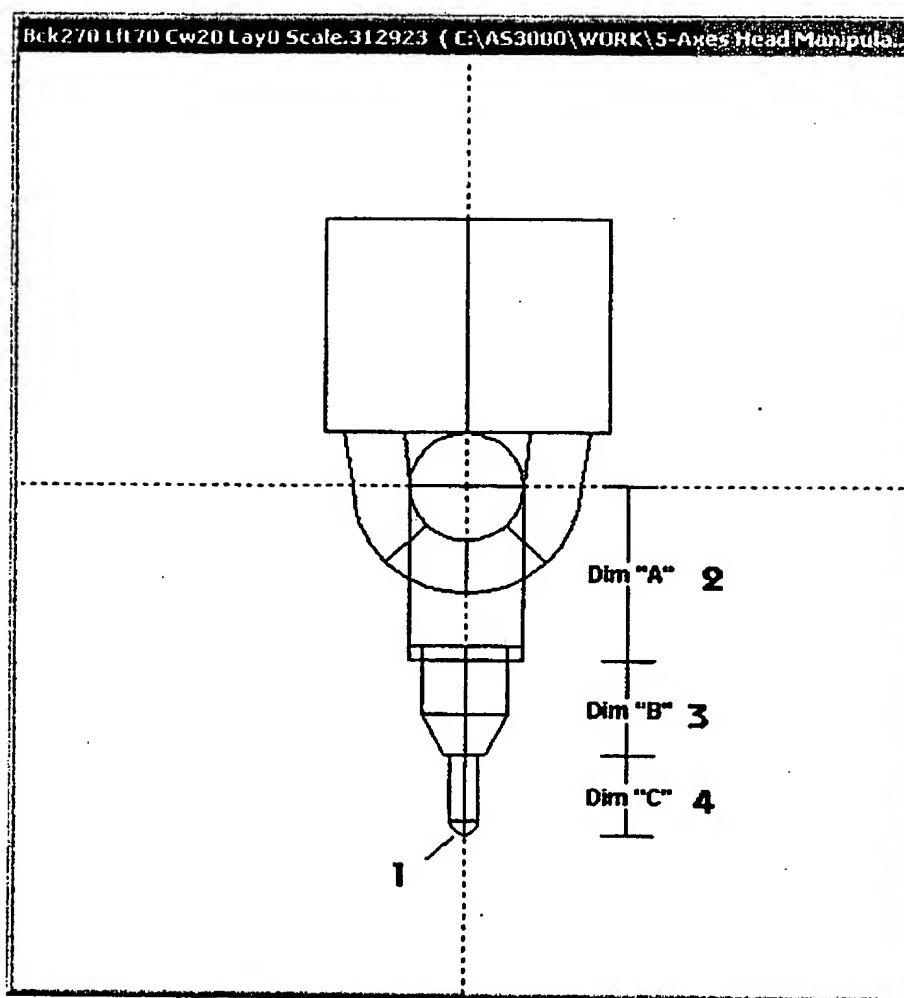


FIG 2.

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

3/9

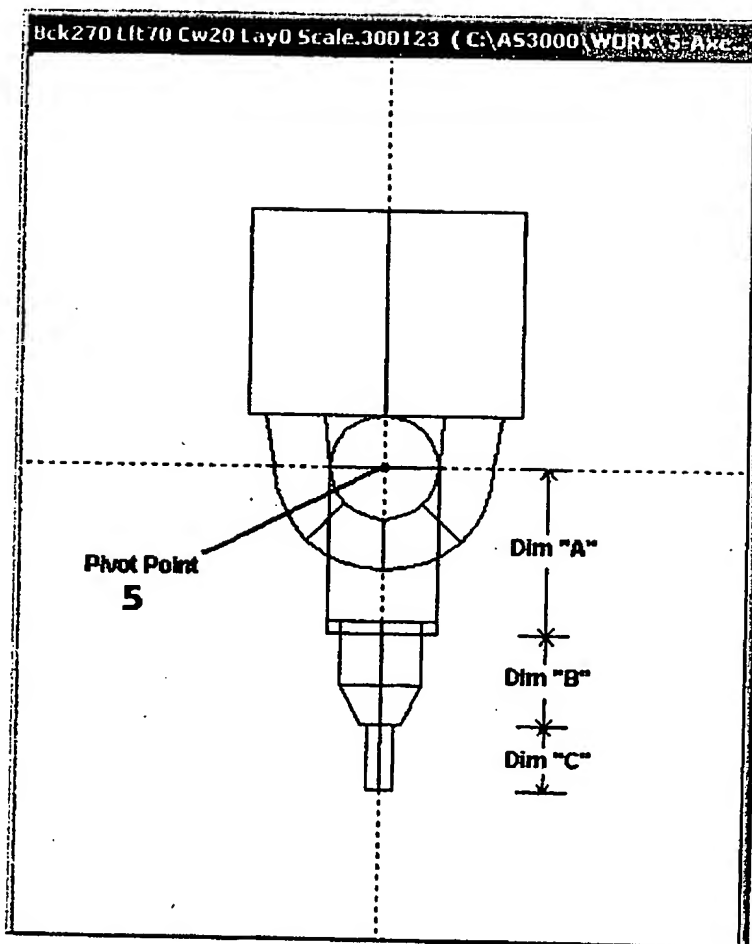


FIG 3.

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

4/9

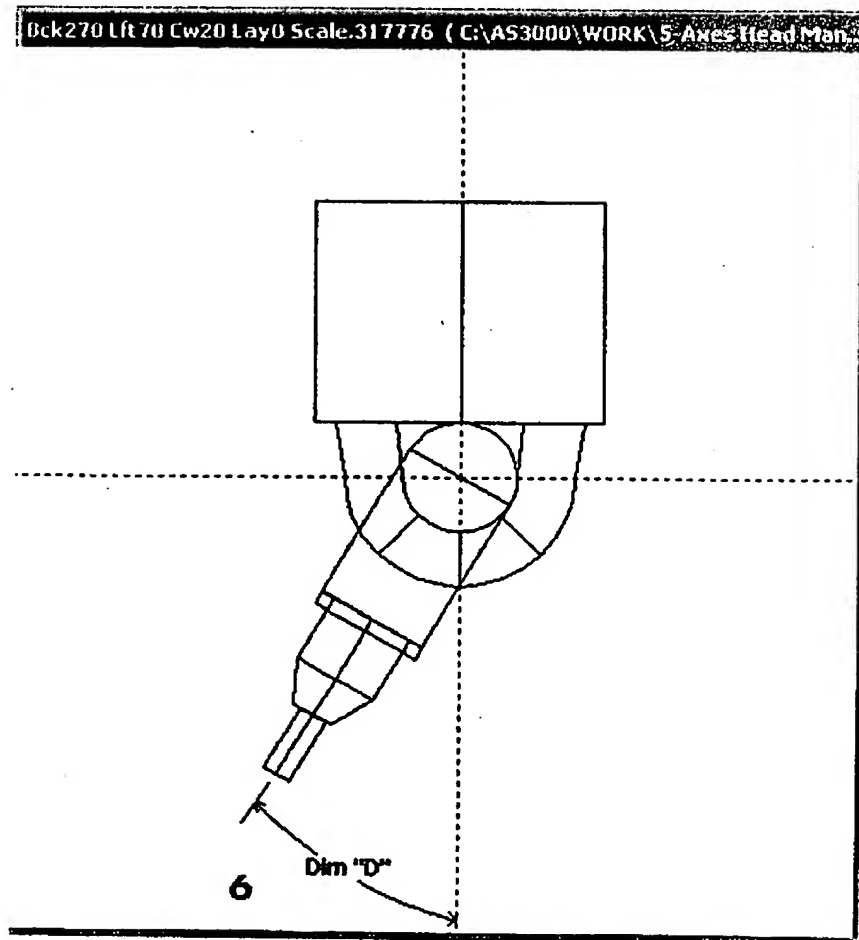


FIG 4.

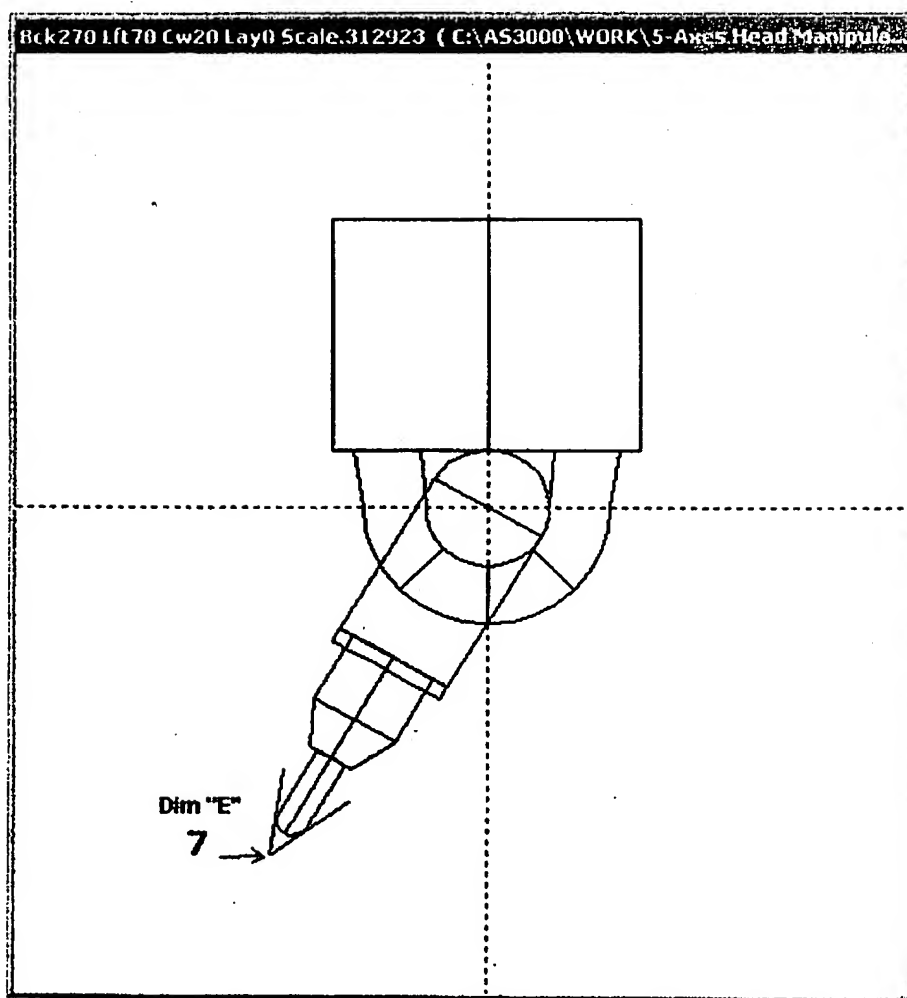
**Invention Title:** Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

**Inventor:** Gary John Corey

**Application No.** 10/079,309.

**Inventor's Phone No.:** (909) 674-8100

**5/9**



**FIG 5.**

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

6/9

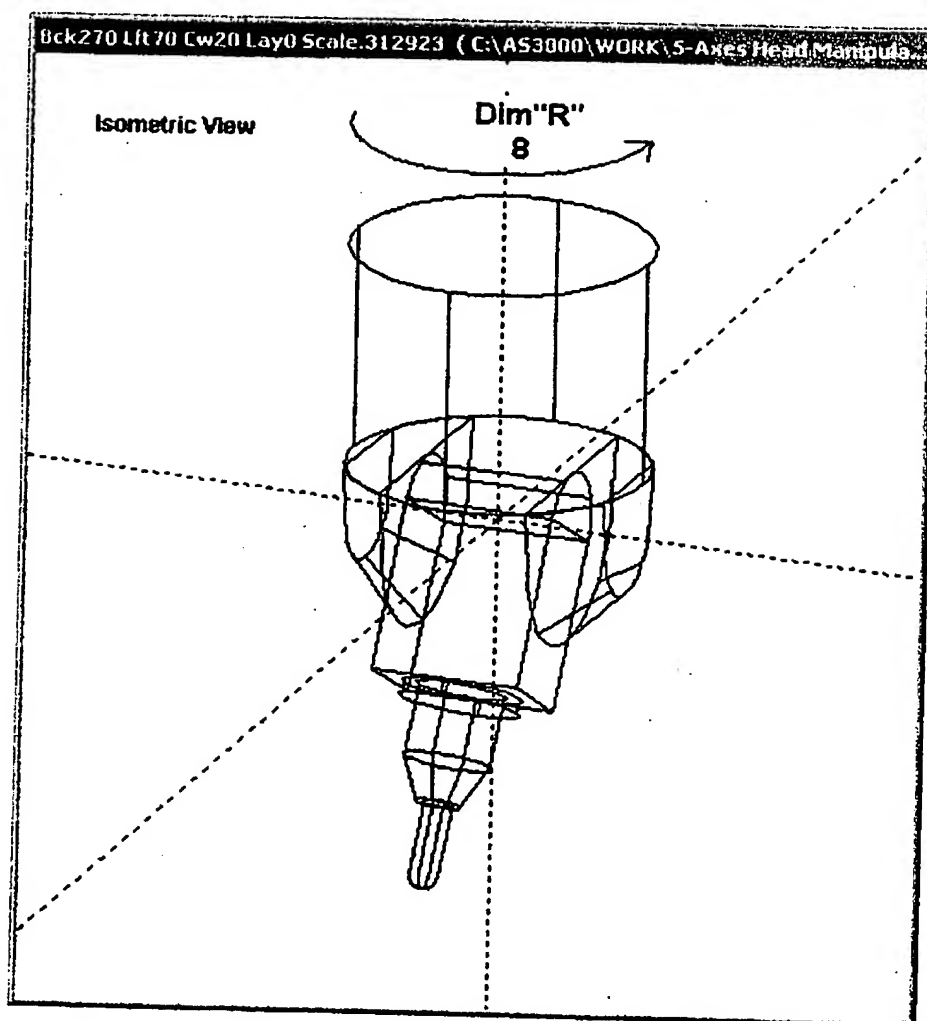


FIG 6.

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

BEST AVAILABLE COPY

7/9

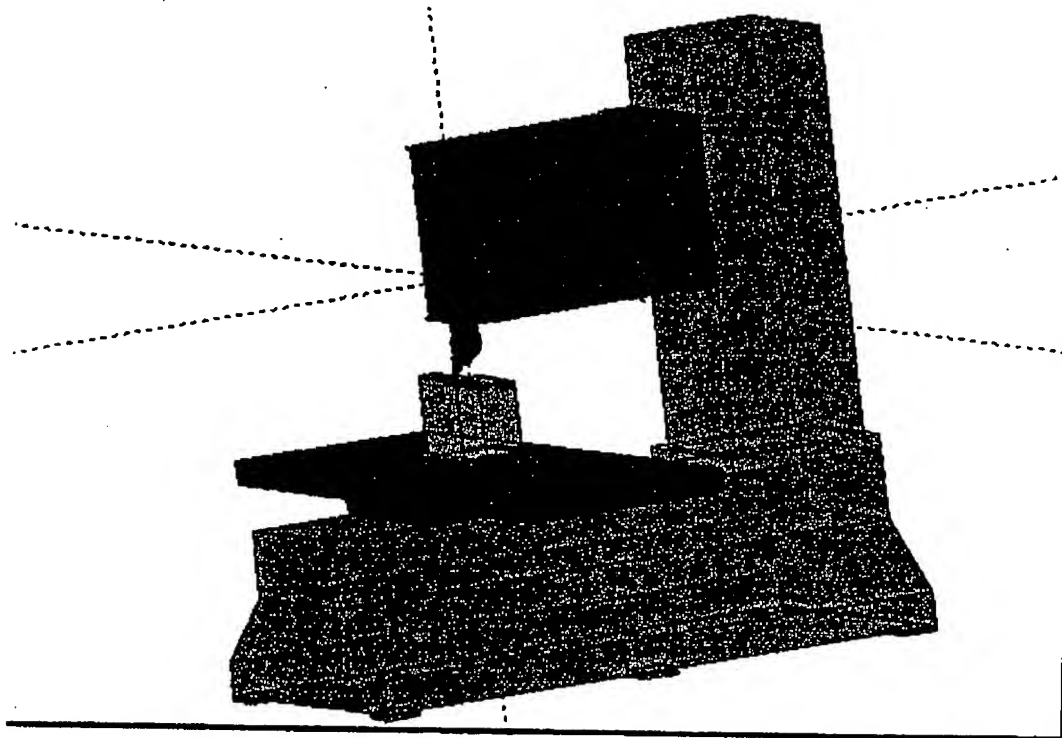


FIG 7.

Invention Title: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

8/9

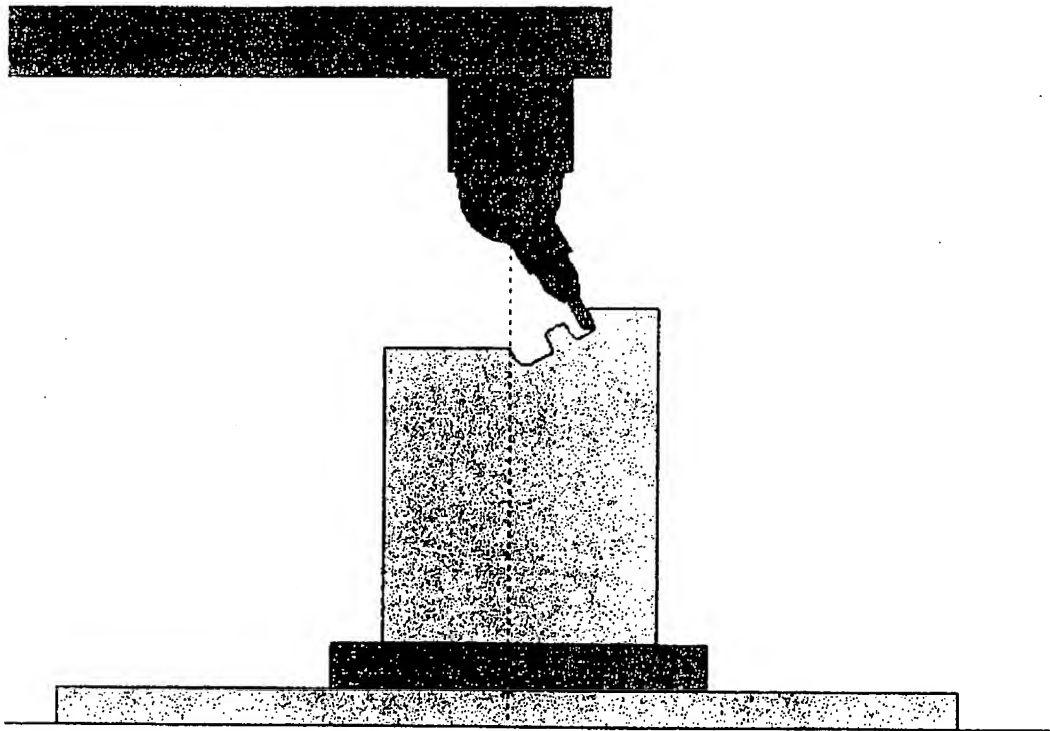


FIG 8.



Invention Title: Multi-Axes Tool Compensation -- 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Inventor: Gary John Corey

Application No. 10/079,309

Inventor's Phone No.: (909) 674-8100

9/9

%  
N10 T01 M6  
N20 G90 S200 M3  
N30 G0 A270. B0  
N40 X0 Y-21. Z0 M8  
N50 Z20.5  
N60 G1 Y-10.933 Z17.9365 A270. B-30. F10.  
N70 Y-3.2465 Z10.75 A270. B-60.  
N80 Y0 Z.5 A270. B-90.  
N90 Y-3.2465 Z10.75 A90. B-60.  
N100 Y-10.933 Z17.9365 A90. B-30.  
N110 Y-21. Z20.5 A90. B0  
N120 G1 Z0  
N130 G0 A0 B0  
N140 X0 Y-21. Z0 S200 F10.  
N150 G1 Z20.5  
N160 G1 Y-10.9332 Z17.9367 A0 B-29.9993 F10.  
N170 Y-3.2463 Z10.7498 A0 B-60.0007  
N180 Y0 Z.5 A0 B-90.  
N190 Y-3.2465 Z10.75 A180. B-60.  
N200 Y-10.933 Z17.9365 A180. B-30.  
N210 Y-21. Z20.5 A180. B0  
N220 Z0  
N230 G0 A0 B0  
N240 M30  
%

FIG 9.